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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	3	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	4	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	5	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	6	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	7	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	8	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	9	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	10	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	11	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	12	JUN 25	CA/CAPplus and USPAT databases updated with IPC reclassification data
NEWS	13	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	14	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS	15	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS	16	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS	17	JUL 28	CA/CAPplus patent coverage enhanced
NEWS	18	JUL 28	EPFULL enhanced with additional legal status information from the epline Register
NEWS	19	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	20	JUL 28	STN Viewer performance improved
NEWS	21	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS	22	AUG 13	CA/CAPplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS	23	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	24	AUG 15	CAPplus currency for Korean patents enhanced
NEWS	25	AUG 25	CA/CAPplus, CASREACT, and IFI and USPAT databases enhanced for more flexible patent number searching
NEWS	26	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information

04/09/2008,10565789III.trn

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:30:55 ON 04 SEP 2008

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:31:06 ON 04 SEP 2008

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 SEP 2008 HIGHEST RN 1046204-20-9
DICTIONARY FILE UPDATES: 3 SEP 2008 HIGHEST RN 1046204-20-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

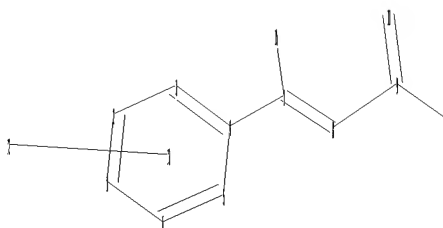
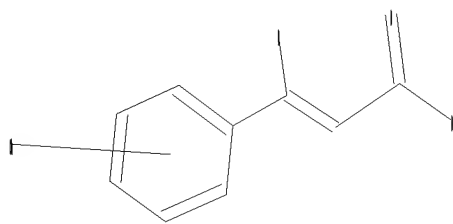
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10565789III.str

04/09/2008,10565789III.trn



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chain nodes :
7 8 9 10 11 12 15
ring nodes :
1 2 3 4 5 6
chain bonds :
4-7 7-8 7-15 8-9 9-10 9-11
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
7-15 9-10 9-11
exact bonds :
4-7 7-8 8-9
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :
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Match level :

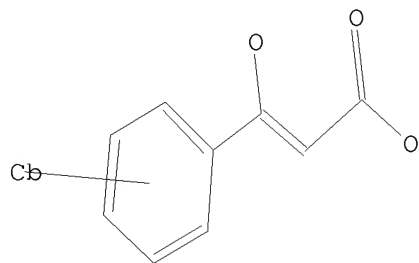
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1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:Atom 13:Atom 15:CLASS
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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

04/09/2008,10565789III.trn

SAMPLE SEARCH INITIATED 13:31:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1231 TO ITERATE

100.0% PROCESSED 1231 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 22516 TO 26724
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 13:31:29 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 24406 TO ITERATE

100.0% PROCESSED 24406 ITERATIONS 18 ANSWERS
SEARCH TIME: 00.00.01

L3 18 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 178.36 178.57

FILE 'CAPLUS' ENTERED AT 13:31:32 ON 04 SEP 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 4 Sep 2008 VOL 149 ISS 10
FILE LAST UPDATED: 3 Sep 2008 (20080903/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

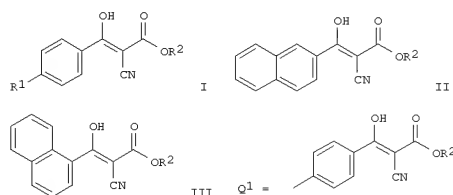
=> s l3
L4 7 L3

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=> d ed abs ibib hitstr tot

04/09/2008,10565789III.trn

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ED Entered STN: 11 Feb 2005
GI

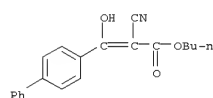


AB Title compds. (I, II, III; R1 = H, C1-C20 alkyl, C1-C20 alkoxy, CF3, C6-C10 aryl, Q1; R2 = H, C1-C20 alkyl), were prepared Thus, n-octyl cyanoacetate was stirred with LDA in THF for 15 min. at -78° followed by addition of biphenyl-4-carbonyl chloride in THF followed by stirring for 45 min. to give 23% 3-(biphen-4-yl)-2-cyano-3-hydroxyacrylic acid n-octyl ester. The latter inhibited S. aureus with a min. inhibitory concentration of <3.75 µM.

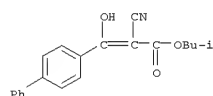
ACCESSION NUMBER: 2005:120875 CAPLUS
DOCUMENT NUMBER: 142:197692
TITLE: Preparation of 3-aryl-2-cyano-3-hydroxyacrylic acid derivatives as antimicrobials which prevent bacterial adhesion to surfaces
INVENTOR(S): Rele, Dinesh Narendra; Bhatti, Harjinder Singh; Hoelzl, Werner; Marquis-Bienewald, Sophie; Mathias, Errol Vincent; Preuss, Andrea; Wagner, Barbara
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005012235	A1	20050210	WO 2004-EP51533	20040719
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				

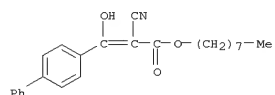
L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



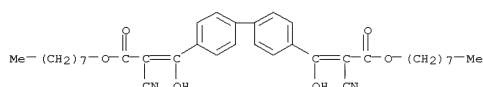
RN 838837-22-2 CAPLUS
CN 2-Propenoic acid, 3-[1,1'-biphenyl]-4-yl-2-cyano-3-hydroxy-, 2-methylpropyl ester (CA INDEX NAME)



RN 838837-23-3 CAPLUS
CN 2-Propenoic acid, 3-[1,1'-biphenyl]-4-yl-2-cyano-3-hydroxy-, octyl ester (CA INDEX NAME)



RN 838837-25-5 CAPLUS
CN 2-Propenoic acid, 3,3'-[1,1'-biphenyl]-4,4'-diylbis[2-cyano-3-hydroxy-, dioctyl ester (9CI) (CA INDEX NAME)



RN 838837-26-6 CAPLUS
CN 2-Propenoic acid, 3-[1,1'-biphenyl]-4-yl-2-cyano-3-hydroxy-, decyl ester (CA INDEX NAME)

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

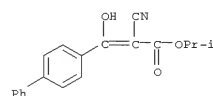
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
EP 1651177 A1 20060503 EP 2004-742002 20040719
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
CN 1829684 A 20060906 CN 2004-80022080 20040719
JP 2007500170 T 20070111 JP 2006-521570 20040719
US 20060228965 A1 20061012 US 2006-565789 20060125
MX 2006PA01069 A 20060731 MX 2006-PA1069 20060127
IN 2006CN00352 A 20070706 IN 2006-CN352 20060127
PRIORITY APPLN. INFO.: EP 2003-102324 A 20030729
WO 2004-EP51533 W 20040719

OTHER SOURCE(S): CASREACT 142:197692; MARPAT 142:197692

IT 838837-20-OP 838837-21-1P 838837-22-2P
838837-23-3P 838837-25-5P 838837-26-6P
839678-47-6P 839678-48-7P

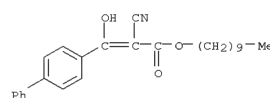
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of arylcyanohydroxyacrylates as antimicrobials which prevent bacterial adhesion to surfaces)

RN 838837-20-0 CAPLUS
CN 2-Propenoic acid, 3-[1,1'-biphenyl]-4-yl-2-cyano-3-hydroxy-, 1-methylethyl ester (CA INDEX NAME)

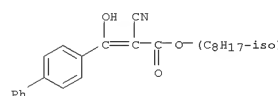


RN 838837-21-1 CAPLUS
CN 2-Propenoic acid, 3-[1,1'-biphenyl]-4-yl-2-cyano-3-hydroxy-, butyl ester (CA INDEX NAME)

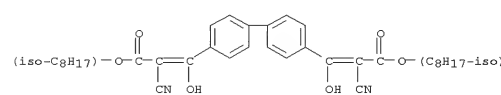
L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 839678-47-6 CAPLUS
CN 2-Propenoic acid, 3-[1,1'-biphenyl]-4-yl-2-cyano-3-hydroxy-, isooctyl ester (9CI) (CA INDEX NAME)

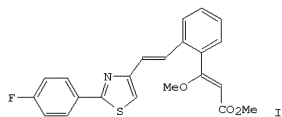


RN 839678-48-7 CAPLUS
CN 2-Propenoic acid, 3,3'-[1,1'-biphenyl]-4,4'-diylbis[2-cyano-3-hydroxy-, diisooctyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ED Entered STN: 24 Jul 1993
 GI

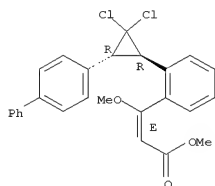


AB Title compds. (235 compds.) were prepared as inhibitors of mitochondrial respiration. Thus, 2-MeC6H4Ac was treated with (MeO)2CO to give 94% 2-MeC6H4COCH2CO2Me which was enol methylated to give 94% (E)-2-MeC6H4C(OMe);CHCO2Me. The latter compound was brominated, oxidized to the aldehyde, and treated with 2-(4-fluorophenyl)-4-thiazolylmethylphosphonium chloride to give the cinnamate I. At 1.8 + 10-5 mol/L I caused 96 and 99% inhibition of mitochondrial respiration in *Saccharomyces cerevisiae* and *Musca domestica* resp.

ACCESSION NUMBER: 1993:428133 CAPLUS
 DOCUMENT NUMBER: 119:28133
 ORIGINAL REFERENCE NO.: 119:5217a,5220a
 TITLE: Derivatives of β -substituted cinnamic acid
 INVENTOR(S): Sauter, Hubert; Oberdorf, Klaus; Wingert, Horst; Von Deyn, Wolfgang; Grammenos, Wassillios; Koenig, Hartmann; Rang, Harald; Roehl, Franz; et al.
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Eur. Pat. Appl., 127 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 525516	A2	19930203	EP 1992-112086	19920715
EP 525516	A3	19930519		
EP 525516	B1	19950927		
DE 4124989	R; AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, PT, SE	19930204	DE 1991-4124989	19910727
AT 128454	T	19951015	AT 1992-112086	19920715
ES 2078602	T3	19951216	ES 1992-112086	19920715
JP 05255191	A	19931005	JP 1992-190680	19920717
HU 61519	A2	19930128	HU 1992-2451	19920724
HU 213456	B	19970630		
AU 9220590	A	19930128	AU 1992-20590	19920727
AU 653612	B2	19941006		
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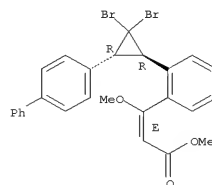
L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CA 2075354 A1 19930128 CA 1992-2075354 19920803
 US 5538940 A 19960723 US 1995-440126 19950512
 US 5573999 A 19961112 US 1995-441639 19950515
 PRIORITY APPLN. INFO.: DE 1991-4124989 A 19910727
 US 1992-919270 B1 19920727
 US 1993-173936 B3 19931228

IT 147499-18-1P 147499-19-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 147499-18-1 CAPLUS
 CN 2-Propenoic acid, 3-[2-(3-[1,1'-biphenyl]-4-yl-2,2-dibromocyclopropyl)phenyl]-3-methoxy-, methyl ester, [1 α (E),3 β]- (9CI) (CA INDEX NAME)

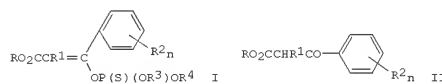
Relative stereochemistry.
 Double bond geometry as shown.



RN 147499-19-2 CAPLUS
 CN 2-Propenoic acid, 3-[2-(3-[1,1'-biphenyl]-4-yl-2,2-dichlorocyclopropyl)phenyl]-3-methoxy-, methyl ester, [1 α (E),3 β]- (9CI) (CA INDEX NAME)

Relative stereochemistry.
 Double bond geometry as shown.

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ED Entered STN: 12 May 1984
 GI



AB Thionophosphates I (R = Me, Et; R1 = H, Me; R2n = Me2 4-MeO, 4-cyano, Cl2, Cl3, 4-halo, 4-Me; R3, R4 = Me, Et, Pr) (29 compds.), useful as pesticides, were prepared by treating XP(S)(OR3)OR4 (X = halo) with benzoylacates II in a solvent in the presence of an acid acceptor. Thus, ClP(S)(OEt)2 was dropped without cooling into a mixture of 2,4-Me2C6H3COCH2CO2Et, KOcMe3, and MeCN and the reaction mixture warmed to 60° and stirred 3 h to give 88% I (R = R3 = R4 = Et, R1 = H, R2n = 2,4-Me2. Representative I killed 100% *Phorbia antiqua*-Maden at 5 ppm. I (R = Me, R1 = H, R2 = 4-Cl, R3 = R4 = Et) killed 99% *Tetranychus urticae* at 0.1%.

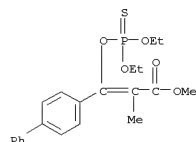
ACCESSION NUMBER: 1977:467963 CAPLUS
 DOCUMENT NUMBER: 87:67963
 ORIGINAL REFERENCE NO.: 87:10801a,10804a
 TITLE: Insecticidal and acaricidal vinyl thionophosphates
 INVENTOR(S): Hofer, Wolfgang; Maurer, Fritz; Riebel, Hans Jochem; Schroeder, Rolf; Uhrhan, Paul; Homeyer, Bernhard; Behrenz, Wolfgang; Hamann, Ingeborg
 PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
 SOURCE: Ger. Offen., 43 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2537047	A1	19770303	DE 1975-2537047	19750820
US 4032634	A	19770628	US 1976-713738	19760811
IL 50285	A	19800916	IL 1976-50285	19760817
CH 619351	A5	19800930	CH 1976-10465	19760817
JP 52025757	A	19770225	JP 1976-97829	19760818
BR 7605402	A	19770816	BR 1976-5402	19760818
DD 127329	A5	19770921	DD 1976-194375	19760818
BE 845328	A1	19770221	BE 1976-169920	19760819
DK 7603748	A	19770221	DK 1976-3748	19760819
DK 142238	B	19800929		
DK 142238	C	19810223		
SE 7609227	A	19770221	SE 1976-9227	19760819
ZA 7604988	A	19770727	ZA 1976-4988	19760819
PL 98413	B1	19780531	PL 1976-191901	19760819
NL 7609305	A	19770222	NL 1976-9305	19760820

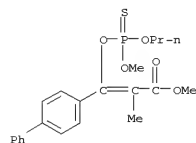
04/09/2008,10565789III.trn

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
FR 2321500 A1 19770318 FR 1976-25276 19760820
FR 2321500 B1 19800509
AT 7606193 A 19770715 AT 1976-6193 19760820
PRIORITY APPLN. INFO.: DE 1975-2537047 A 19750820

IT 63490-05-1P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and pesticidal activity of)
RN 63490-05-1 CAPLUS
CN 2-Propenoic acid,
3-[1,1'-biphenyl]-4-yl-3-[(diethoxyphosphinothioyl)oxy]-
2-methyl-, methyl ester (CA INDEX NAME)

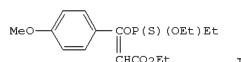


IT 63490-11-9P 63490-12-0P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
RN 63490-11-9 CAPLUS
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3-[1,1'-biphenyl]-4-yl-3-[(methoxypropoxyphosphinothioyl)oxy]-2-methyl-, methyl ester (CA INDEX NAME)



RN 63490-12-0 CAPLUS
CN 2-Propenoic acid,
3-[1,1'-biphenyl]-4-yl-3-[(ethoxypropoxyphosphinothioyl)oxy]-2-methyl-, methyl ester (CA INDEX NAME)

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ED Entered STN: 12 May 1984
GI



AB R02CCR1:CR2OP(S)(XR3)R4 (R = Me, Et; R1 = H, Me; R2 = Ph, substituted phenyl; X = O, S; R3 = alkyl, alkylthio, alkylamino, Ph; R4 = C2-4 alkyl) were prepared by treating R2COCHRICO2R with R5P(S)(XR3)R4 (R5 = halogen). The thiophosphonates are insecticides and acaricides. Thus I at 0.1%

gave

100% kill of Myzus persicae.

ACCESSION NUMBER: 1977:423493 CAPLUS

DOCUMENT NUMBER: 87:23493

ORIGINAL REFERENCE NO.: 87:3728h,3729a

TITLE: Insecticidal and acaricidal vinyl(di- or tri-)thiophosphoric(phosphonic)acid esters or ester amides

INVENTOR(S): Hofer, Wolfgang; Maurer, Fritz; Riebel, Hans Jochem; Schroeder, Rolf; Uhrhan, Paul; Homeyer, Bernhard; Behrenz, Wolfgang; Hamann, Ingeborg

PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.

SOURCE: Ger. Offen., 39 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

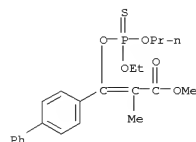
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

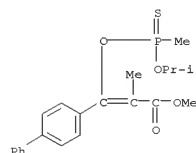
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2536977	A1	19770303	DE 1975-2536977	19750820
JP 52025756	A	19770225	JP 1976-97828	19760818
DD 127335	A5	19770921	DD 1976-194377	19760818
BE 845326	A1	19770221	BE 1976-169918	19760819
DK 7603747	A	19770221	DK 1976-3747	19760819
SE 7609226	A	19770221	SE 1976-9226	19760819
BR 7605438	A	19770816	BR 1976-5438	19760819
ES 450805	A1	19770816	ES 1976-450805	19760819
PL 98626	B1	19780531	PL 1976-191902	19760819
GB 1529077	A	19781018	GB 1976-34605	19760819
NL 7609304	A	19770222	NL 1976-9304	19760820
FR 2321499	A1	19770318	FR 1976-25275	19760820
AT 7606192	A	19770915	AT 1976-6192	19760820
PRIORITY APPLN. INFO.:			DE 1975-2536977	A 19750820

IT 63130-95-0P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and insecticidal and acaricidal activity of)
RN 63130-95-0 CAPLUS
CN 2-Propenoic acid, 3-[1,1'-biphenyl]-4-yl-2-methyl-3-[methyl(1-

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

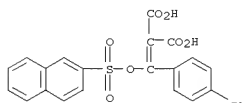


L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
methyl(ethoxy)phosphinothioyl]oxy]-, methyl ester (CA INDEX NAME)

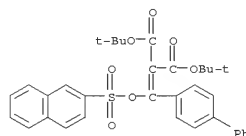


04/09/2008,10565789III.trn

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ED Entered STN: 12 May 1984
AB The rate consts. and reaction parameters for the fragmentation of enol sulfonates, p-RC6H4(RISO3)C(CO2-)-2 (e.g., R = MeO, Me, Cl, NO2, H; R1 = Ph, p-MeC6H4, β -naphthyl) were determined, and Hammett ρ - σ plots were made. The ρ + for varying the p-RC6H4 is -3.1, and the ρ for varying R1 is + 1.17. The decarboxylative elimination is a concerted fragmentation with substantial build-up of pos. charge on a vinyl C atom in the transition state.
ACCESSION NUMBER: 1971:448060 CAPLUS
DOCUMENT NUMBER: 75:48060
ORIGINAL REFERENCE NO.: 75:7577a,7580a
TITLE: Enol elimination reactions. V. Mechanism of the decarboxylative elimination reactions of enol sulfonates
AUTHOR(S): Fleming, Ian; Owen, C. R.
CORPORATE SOURCE: Univ. Chem. Lab., Univ. Cambridge, Cambridge, UK
SOURCE: Journal of the Chemical Society [Section] B: Physical
Physical
CODEN: JCSFAC; ISSN: 0045-6470
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 32244-79-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(decarboxylative elimination reaction of, mechanism of)
RN 32244-79-4 CAPLUS
CN Malonic acid, (α -hydroxy-p-phenylbenzylidene)-, 2-naphthalenesulfonate (8CI) (CA INDEX NAME)

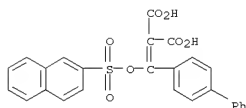


L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ED Entered STN: 12 May 1984
AB BzCH(CO2CMe3)2 enolate reacted with arenesulfonyl chlorides RSO2Cl (R = β -naphthyl, p-MeClH4, p-BrC6H4, and p-O2NC6H4) to give a chlorination product, BzCCL(CO2CMe3)2, in addition to the enol sulfonates, RSO3CPh:C(CO2CMe3)2; BzCBr(CO2CMe3)2 and p-ClC6H4COCBr(CO2Et)2 were similarly prepared BzCBr(CO2CMe3)2 was refluxed with PhSO2Na in Me3COH to give 40% PhSO3CPh:C(CO2CMe3)2; this is the S equivalent of the Perkow reaction. The halogenation was avoided by using arenesulfonyl anhydrides, (ArSO2)2O, as sulfonating agents. Conjugated acetylenic acids ArC.tplbond.CCO2H were prepared from the enol sulfonates in 40-78% yield.
ACCESSION NUMBER: 1971:419862 CAPLUS
DOCUMENT NUMBER: 75:19862
ORIGINAL REFERENCE NO.: 75:3175a,3178a
TITLE: Enol elimination reactions. IV. Synthesis of conjugated acetylenic acids
AUTHOR(S): Fleming, Ian; Owen, C. R.
CORPORATE SOURCE: Univ. Chem. Lab., Cambridge, UK
SOURCE: Journal of the Chemical Society [Section] C: Organic
(1971), (10), 2013-17
CODEN: JSOORX; ISSN: 0022-4952
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 32244-60-3P 32244-79-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 32244-60-3 CAPLUS
CN Malonic acid, (α -hydroxy-p-phenylbenzylidene)-, di-tert-butyl ester, 2-naphthalenesulfonate (8CI) (CA INDEX NAME)



RN 32244-79-4 CAPLUS
CN Malonic acid, (α -hydroxy-p-phenylbenzylidene)-, 2-naphthalenesulfonate (8CI) (CA INDEX NAME)

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ED Entered STN: 12 May 1984
AB 5,8-Bis(R-substituted)-1,4-dimethoxy-naphthalene 1,4-peroxides (R = H or Ph) and 9,10-bis(R-substituted)-1,4-dimethoxyanthracene 1,4-peroxides (R = H or Ph) rearranged to give esters 3,6,2-R2[OHCH:C(OMe)]-C6H2CO2Me (I) and 1,4,3,2-R2[OHCH:C(OMe)]C10H4CO2Me (II), resp. I and II are converted to di-Me 3,6-di(R-substituted)-phthalates and 1,4,2,3-R2C10H4(CO2Me)2.
ACCESSION NUMBER: 1969:67821 CAPLUS
DOCUMENT NUMBER: 70:67821
ORIGINAL REFERENCE NO.: 70:12649a,12652a
TITLE: Rearrangements of 1,4-dialkoxyanthracene and -naphthalene 1,4-photoxides
AUTHOR(S): Rigaudy, Jean; Deletang, Christian; Sparfel, Daniel;
CORPORATE SOURCE: Nguyen Kim Cuong
SOURCE: Ecole Super. Phys. Chim., Paris, Fr.
Sciences, Comptes Rendus des Seances de l'Academie des
Serie C: Sciences Chimiques (1968), 267(25), 1714-17
CODEN: CHDCAQ; ISSN: 0567-6541
DOCUMENT TYPE: Journal
LANGUAGE: French
IT 21758-27-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 21758-27-0 CAPLUS
CN [p-Terphenyl]-2'-carboxylic acid, 3'-(2-carboxy-1-methoxyvinyl)-, 2'-methyl ester (8CI) (CA INDEX NAME)

